Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	05/02/2022 10:41 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/20/2022 09:34 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	32272	Expiration Date:	09/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123475	-2	1.46	123330	1.47
Blue	F	SSC	125000	120645	-4	2.77	121102	2.64
Blue	E	FITC	13602	13094	-4	2.25	366	13.85
Blue	D	PE	24891	24277	-3	1.69	576	10.28
Blue	B	PerCP-Cy5-5	33972	32980	-3	3.01	938	14.89
Blue	A	PE-Cy7	22865	22417	-2	4.96	469	30.64
Red	C	APC	47198	46788	-1	2.64	1616	11.42
Red	A	APC-Cy7	26454	25477	-4	3.07	718	12.48
Violet	B	V450	6737	6344	-6	3.57	443	11.43
Violet	A	V500	29317	27371	-7	3.12	937	8.27

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23672	2.69	560	25	N/A	N/A	Pass
Blue	F	SSC	54257	2.04	516	-5	N/A	N/A	Pass
Blue	E	FITC	55	53.22	486	2	0.0388	41	Pass
Blue	D	PE	112	37.53	489	3	0.4123	278	Pass
Blue	B	PerCP-Cy5-5	149	40.95	582	3	0.0199	67	Pass
Blue	A	PE-Cy7	78	78.17	625	4	0.0218	0	Pass
Red	C	APC	339	26.38	576	4	0.0290	257	Pass
Red	A	APC-Cy7	134	34.73	552	1	0.0061	1127	Pass
Violet	B	V450	75	47.44	451	1	0.0574	2358	Pass
Violet	A	V500	110	32.35	470	1	0.0267	1157	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.64 - 71.46	N/A	N/A	-31.91	-31.75	1.01
Blue	20.37	16.28 - 24.42	1.28	1.03 - 1.55	0.00	0.00	1.43
Red	15.14	13.90 - 20.86	N/A	N/A	30.19	30.37	1.21

Window Extension: 7.00
FSC Area Scaling Factor: 0.76

Threshold

Threshold (FSC): 13145

Fluidics

FACSFlow Pressure: 4.00 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments